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Declass Review by NGA.

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OPERATOR'S MANUAL

The purpose of the MonoRad is to facilitate and improve the process of aligning stereo imagery viewed through a microstereoscope. Functionally, MonoRad superimposes both output images of an anamorphic system into a single image which may be viewed through the eyepieces designated below.

1. The ☐ Anamorphic Eyepiece Prototype for use on the ☐ Zoom 70 Microstereoscope equipped with ☐ 10X wide field eyepieces. STAT
2. The ☐ advanced anamorphic eyepiece prototype for use on the Zoom 70 equipped with ☐ 10X wide field eyepieces. STAT
3. The ☐ advanced anamorphic eyepiece for use on the ☐ High Power Stereoviewer equipped with ☐ 6X compensating eyepieces or ☐ 10X compensating, wide field, high point eyepieces. STAT

To interface MonoRad with the equipment listed above, three (3) pairs of adapters are provided. The adapters have been coded 1, 2, and 3; a card in the MonoRad case lists the corresponding anamorphics.

Before placing MonoRad on the anamorphics (with eyepieces removed) screw on the correct pair of adapters. Holding MonoRad in both hands, about its center, enables adjustment of the interpupillary distance. One can now put MonoRad on the anamorphics. MonoRad may be oriented in either one of two ways on the anamorphics, operatively it will give the same result. Select the best way for operational comfort and make sure the adapters are properly seated. One of the eyepieces used on the anamorphics may be located in the eyepiece holder of MonoRad. Since there are two sizes of eyepieces, two holders are provided.

The images that were in the anamorphic eyepieces are now superimposed in the single eyepiece of MonoRad. The eyepiece may be focused by rotating the holder in which it rests. If there appears to be a difference in focus of the superimposed images, rotate one of the fine focus knobs on the side of MonoRad. The fine focus knobs on the sides of MonoRad adjust focus for the similar side on the anamorphics.

Adjustment of the images by the anamorphics or of the film by stage motion may now be made.

After use, replace MonoRad in its case and remove the anamorphic eyepiece.

MAINTENANCE MANUAL

The only maintenance required for MonoRad is the periodical cleaning of the adapter lenses. The main bearing in MonoRad is made of teflon and should not be lubricated.

MonoRad is a sealed unit and should not be disassembled. If the unit is non-functional, it should be returned to the factory for repair.